

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing Of Claims:

1.-6. (Canceled)

7. (New) A method for triggering an electric motor with a pulse width modulation signal including a triggering frequency and a pulse duty factor, comprising:

controlling the electric motor as a function of the pulse duty factor;

supplying the electric motor with power via a supply voltage line;

providing at least one electrical component for low-pass filtering voltage fluctuations caused on the supply voltage line by the pulse width modulation signal; and

modifying the triggering frequency as a function of the pulse duty factor.

8. (New) The method as recited in Claim 7, further comprising:

adapting the triggering frequency as a function of the pulse duty factor in such a way that a maximum permissible power dissipation in the at least one electrical component is not exceeded.

9. (New) The method as recited in Claim 7, further comprising:

adapting the triggering frequency as a function of the pulse duty factor in such a way that the triggering frequency is selected to be as high as possible, in order to achieve better filtering of the voltage fluctuations on the supply voltage line.

10. (New) A control circuit for triggering an electric motor via a pulse width modulation signal including a triggering frequency and a pulse duty factor, comprising:

a switching device via which the electric motor is operable with a supply voltage;

a low-pass filter circuit for filtering the supply voltage in order to reduce voltage fluctuations caused on a supply voltage line by the pulse width modulation signal; and

a control module for generating the pulse width modulation signal in order to switch the switching device in accordance with the pulse duty factor, wherein:

the control module generates the triggering frequency of the pulse width

modulation signal as a function of the pulse duty factor.

11. (New) The triggering circuit as recited in Claim 10, wherein:

the control module triggers the switching device with the triggering frequency such that a power dissipation in at least one of the low-pass filter circuit and the switching device does not exceed a maximum permissible value.

12. (New) The triggering circuit as recited in Claim 10, wherein:

the low-pass filter circuit includes at least one of a capacitor and a coil.